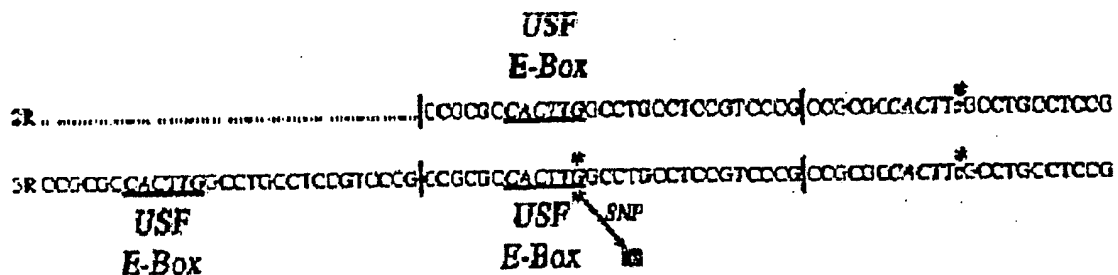


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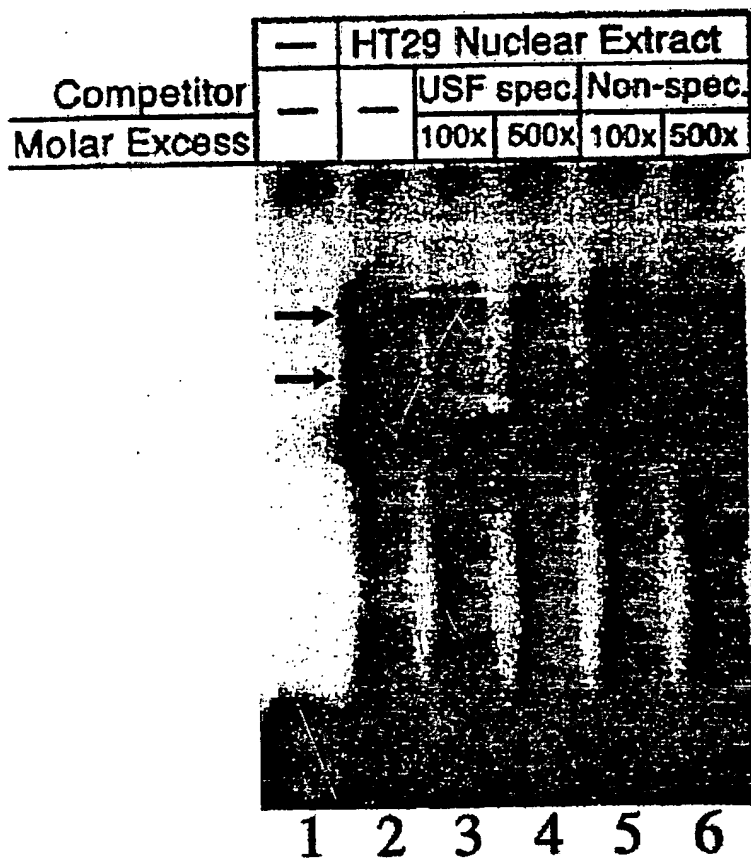
FIGURE 1



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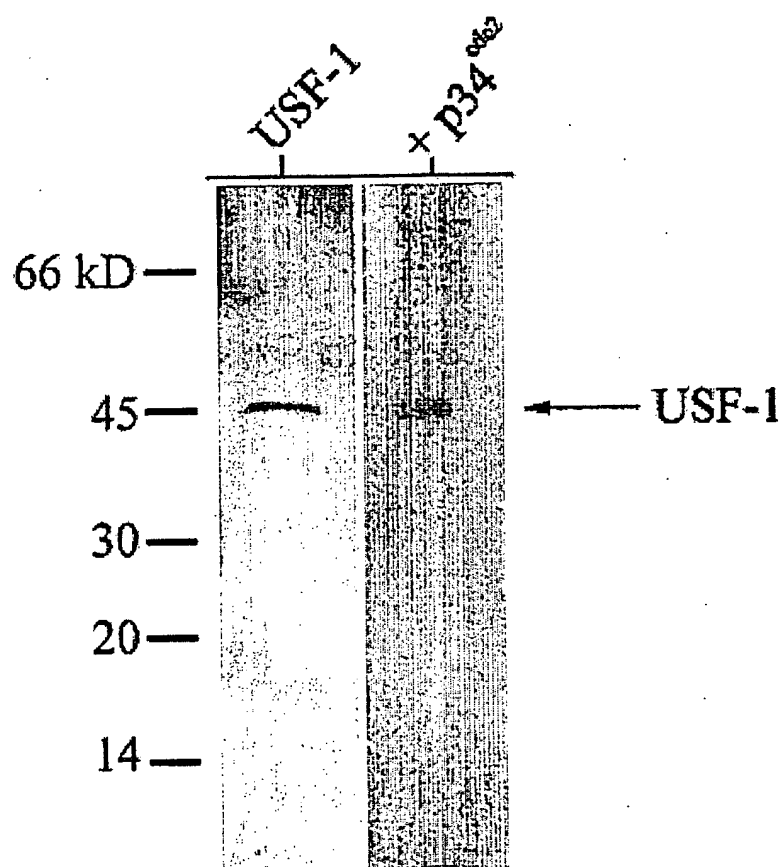
FIGURE 2



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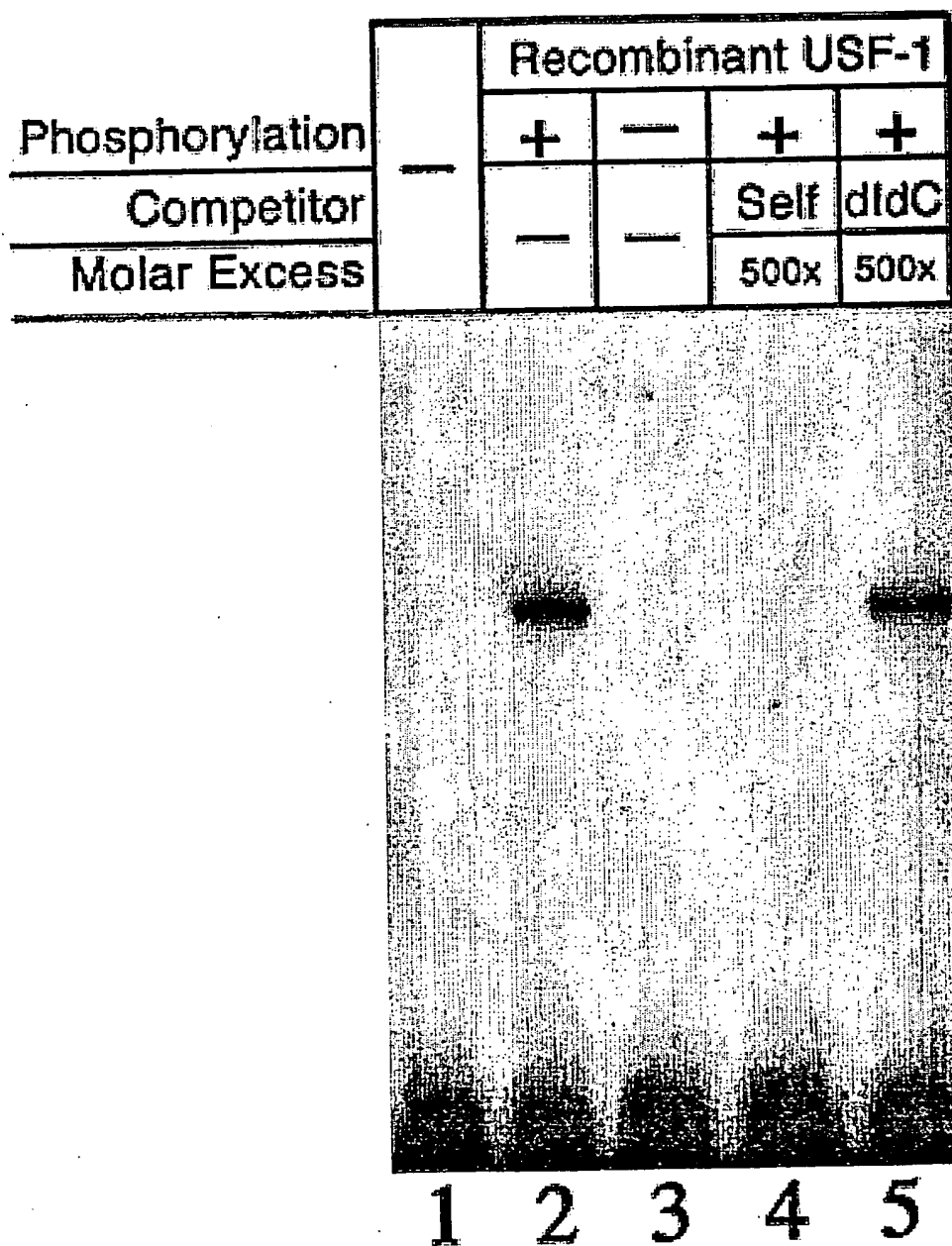
FIGURE 3A



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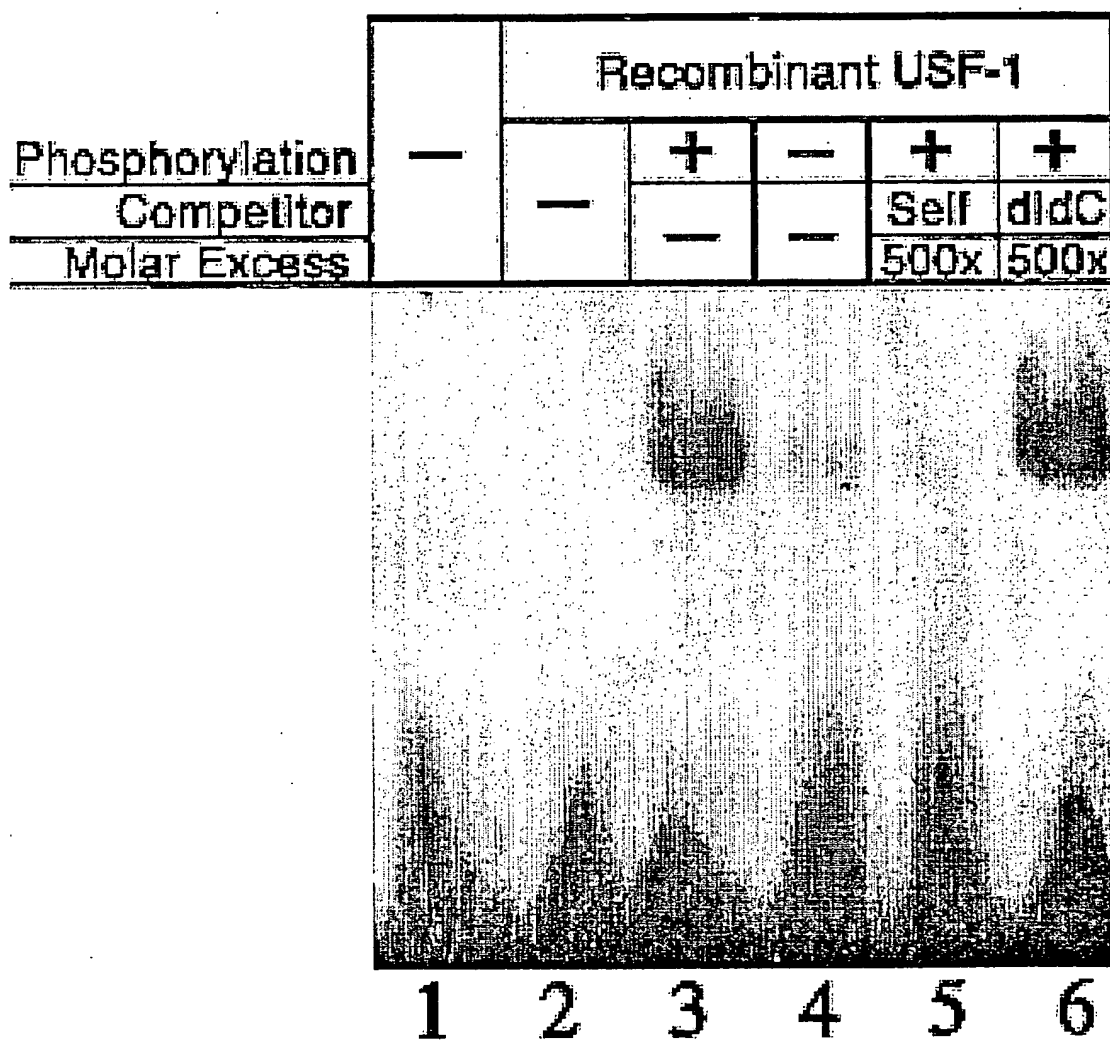
FIGURE 3B



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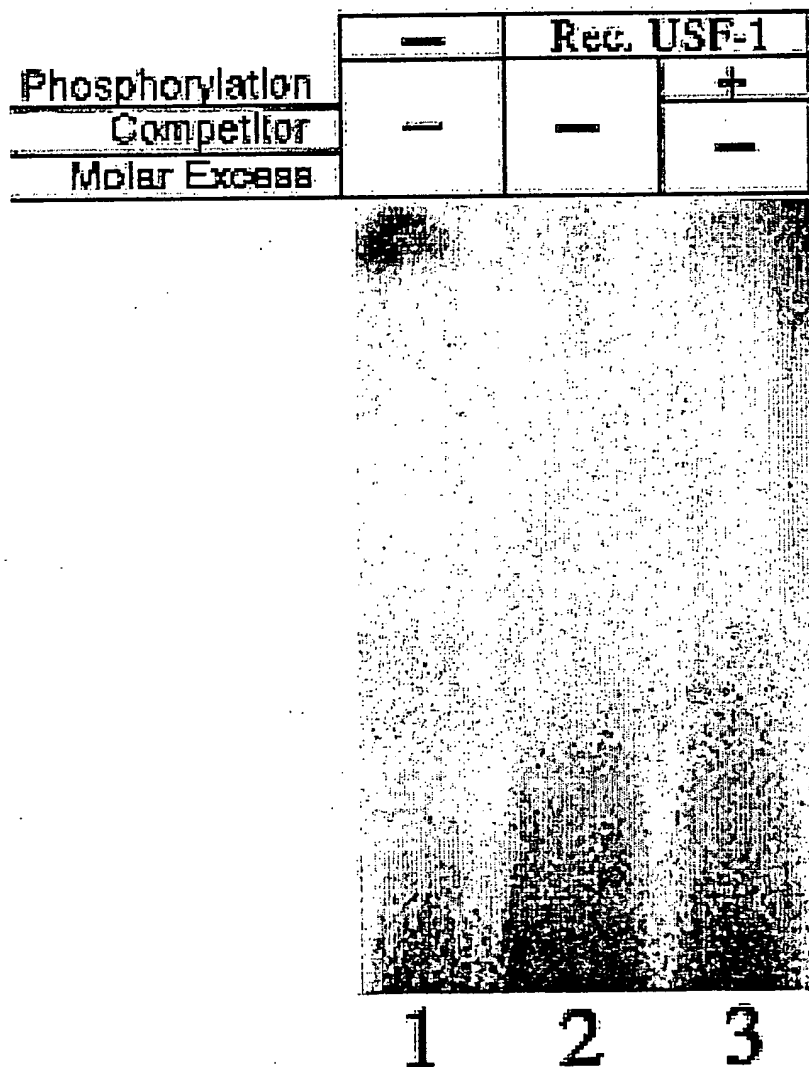
FIGURE 3C



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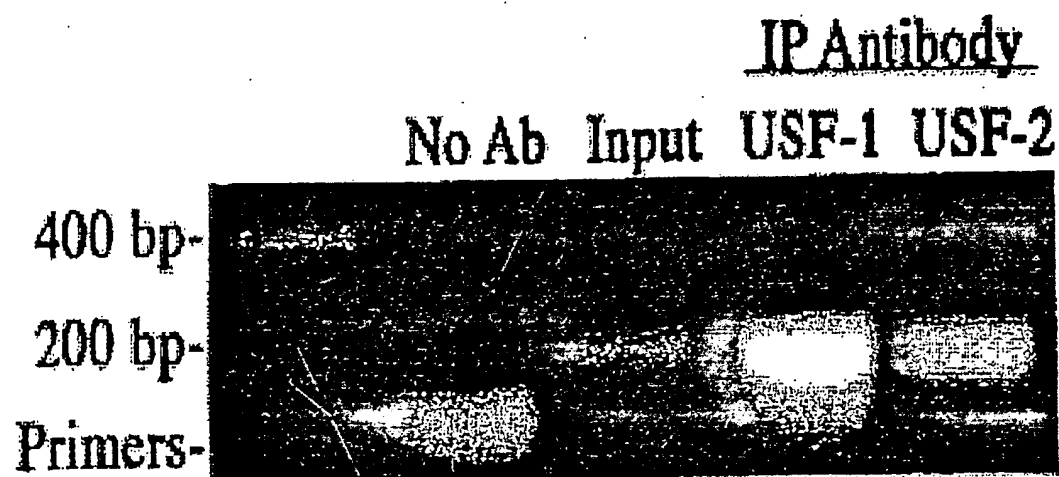
FIGURE 3D



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FIGURE 4



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FIGURE 5A

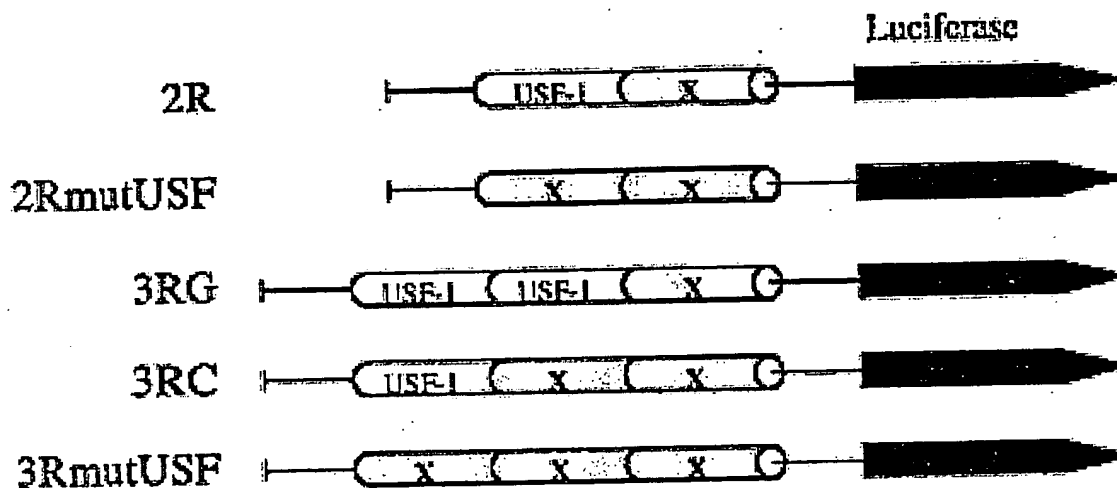
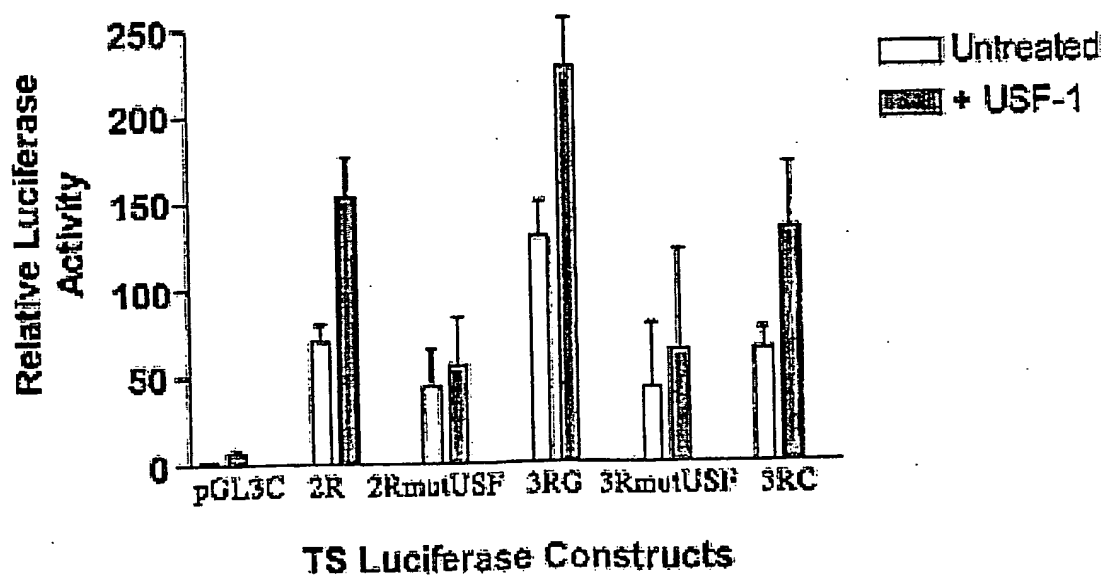


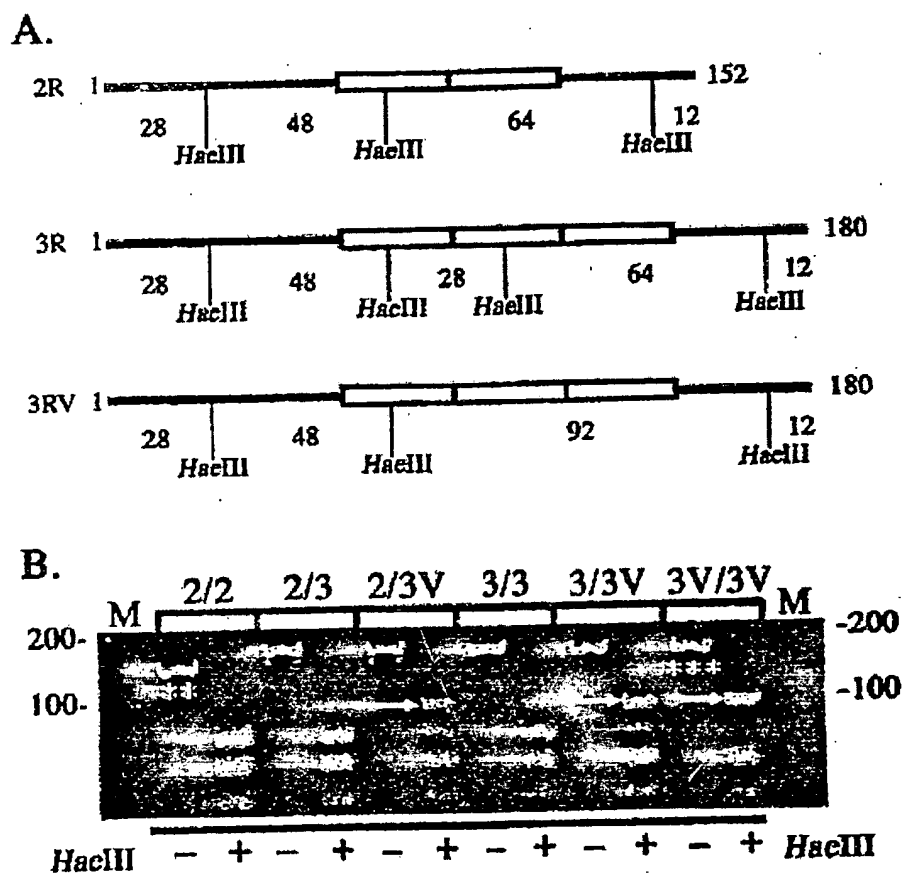
FIGURE 5B



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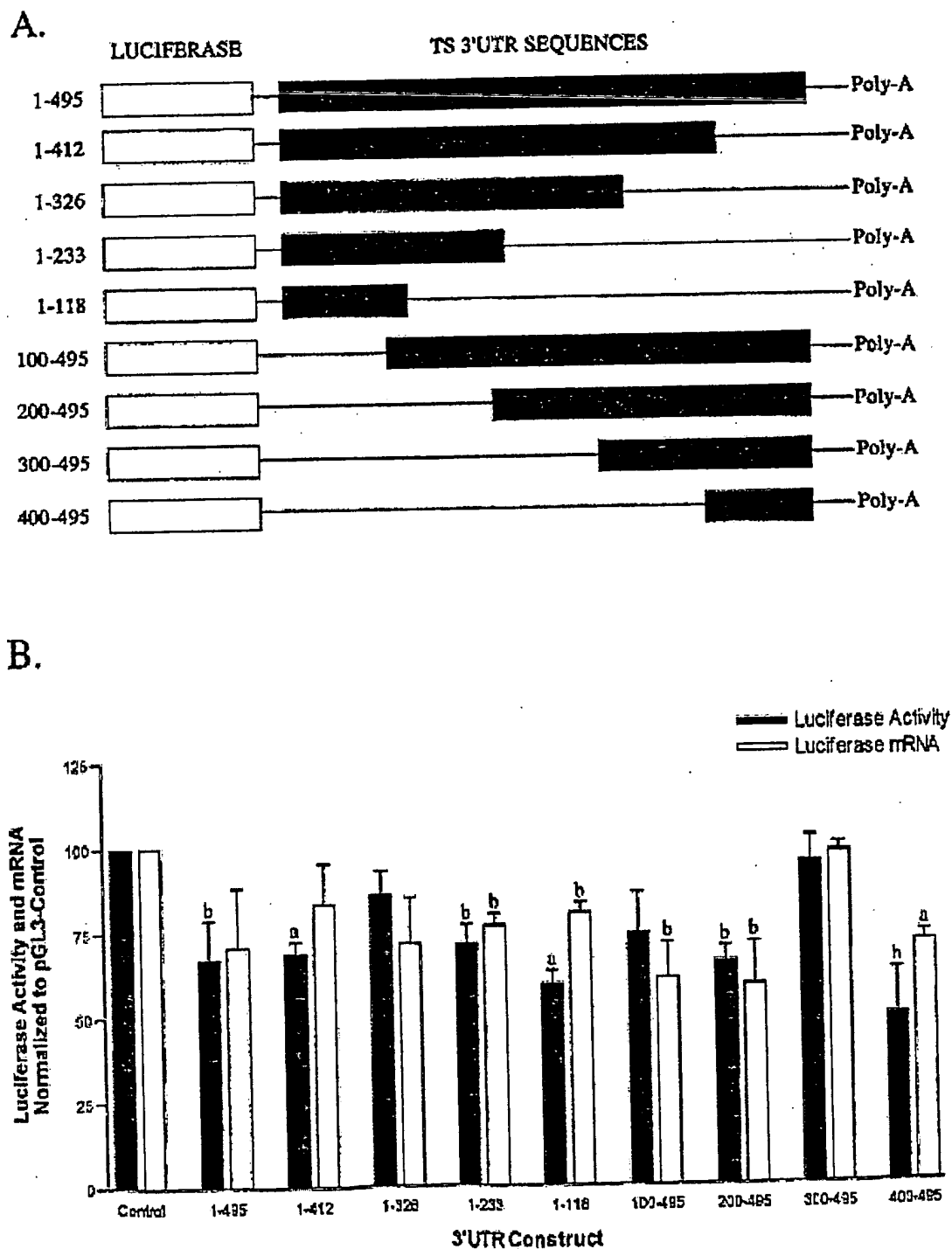
FIGURE 6



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FIGURE 7



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FIGURE 8

A. Schematic Diagrams of Luciferase Constructs

The constructs are labeled with their TS 3'UTR sequences and the presence (+) or absence (-) of the luciferase gene. The sequences are: 1-495, 1-489, 100-495, 100-489, 200-495, 200-489, 300-495, 300-489, 400-495, and 400-489. Each construct is shown with a luciferase gene (black bar) and a polyA tail (white bar).

B. Luciferase Activity and mRNA Levels

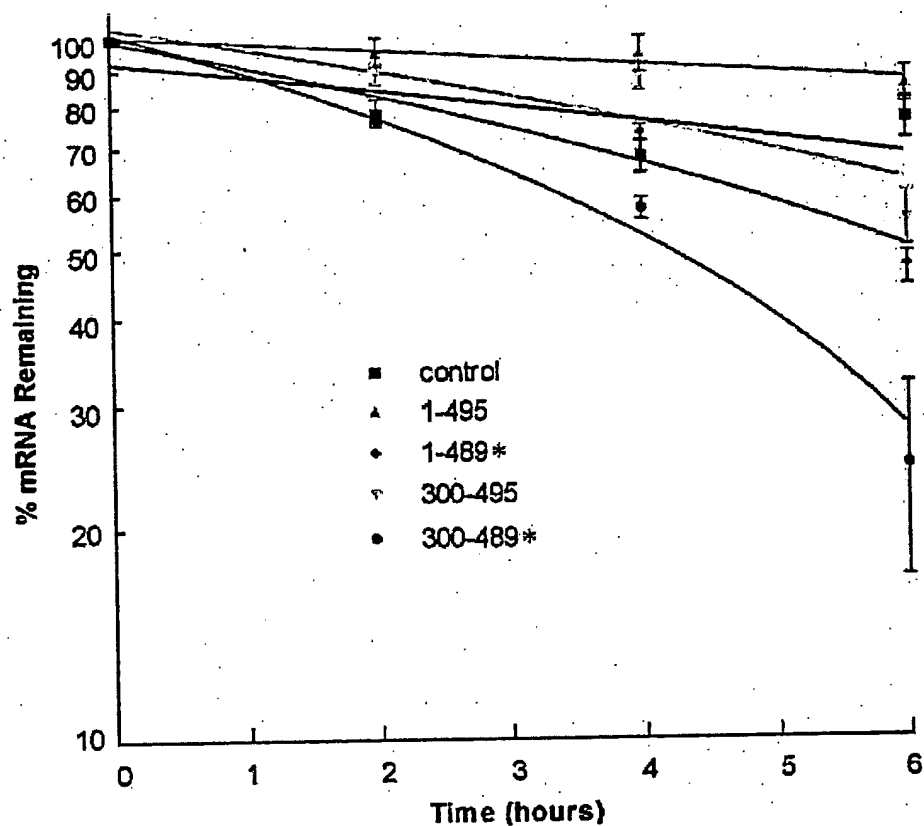
The gel electrophoresis image shows the results of RT-PCR for GAPDH (510 bp) and Luciferase (97 bp). The bar graphs show the luciferase activity (black bars) and luciferase mRNA levels (white bars) normalized to pGL3-Control. The x-axis shows the 3'UTR Construct and the y-axis shows the normalized activity and mRNA levels (0 to 125).

3'UTR Construct	Luciferase Activity (Normalized to pGL3-Control)	Luciferase mRNA (Normalized to pGL3-Control)
Control	100	100
1-495 (+)	~68 (b)	~70
1-489 (-)	~32 (a,d)	~48 (a)
100-495 (+)	~75	~62 (b)
100-489 (-)	~60 (a)	~48 (b)
200-495 (+)	~68 (b)	~60 (b)
200-489 (-)	~75 (a)	~62 (b)
300-495 (+)	~95	~100
300-489 (-)	~15 (b,c)	~20 (a,c)
400-495 (+)	~52 (b)	~75 (a)
400-489 (-)	~42 (a,d)	~60 (a,d)

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FIGURE 9



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